Ammonia by ISE SM 19 <sup>th</sup> Ed. 4500-NH3 D								
Facility Name:				VEL.	AP ID			
Assessor Name:	Analyst Name:		Inspe	ectio	n Date			
Relevant Aspect of Standards		Method Reference	Υ	N	N/A	Comments		
Records Examined: SOP Numbe	r/ Revision/ Date	Analyst:						
Sample ID:	_ Date of Sample Preparation:			Date	of Ar	nalysis:		
Are standard solutions and samples analyzed at the same temperature, about 25°C?		,4500-NH <sub>3</sub> D.4.b						
Are samples to be analyzed within 4°C?	24 hours refrigerated at	4500-NH <sub>3</sub> D.1.d						
Are samples to be analyzed after a nitrogenous or organic matter preswith H2SO4 and refrigerating at 4°	served by reducing to pH≤2	4500-NH <sub>3</sub> D.1.d						
Is the pH meter capable of 0.1 mV and +700 mV, or is a specific ion r		4500-NH <sub>3</sub> D.2.a						
Is ammonia-free water used for ma	aking all reagents?	4500-NH <sub>3</sub> D.3.a						
Are a series of working standards 0.1 and 1000 mg/L?	prepared in a range between	4500-NH <sub>3</sub> D.4.a						
Is the meter calibrated using 100 r mL beaker, starting with the lowes from lowest to highest concentration	t standard and proceeding	4500-NH <sub>3</sub> D.4.b						
Is the electrode immersed and the with a magnetic stirrer in a manne of air bubbles into the solution or contact.	r that prevents entrainment	4500-NH <sub>3</sub> D.4.b						
If the presence of mercury or silve NaOH/EDTA solution used in place		4500-NH <sub>3</sub> D.1.d 4500-NH <sub>3</sub> D.4.b						
AFTER immersing the electrode, is NaOH added to each sample to ra		4500-NH <sub>3</sub> D.4.b						
For samples containing ≤ 1 mg/L a minutes allowed before recording		4500-NH <sub>3</sub> D.4.b						
Note/Comments:								

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Vas a standard curve plotted on a semilogrithmic graph with immonia concentration on the log axis and millivolts on the near axis?	4500-NH <sub>3</sub> D.4.c							
Vas the standard curve plotted with the lowest concentration n the bottom of the scale?	4500-NH <sub>3</sub> D.4.c							
Ooes a tenfold change of ammonia concentration produce a otential change of about 59 mV?	4500-NH <sub>3</sub> D.4.c							
or sample measurement, are volumes added in excess of 1 nL for 10N NaOH recorded?	4500-NH <sub>3</sub> F.4.e							
re samples diluted to fall within the calibration curve range if ecessary?	4500-NH <sub>3</sub> D.4.e							
Notes/Comments:								